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## Datasheet for ABIN7318166 AGR2 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	AGR2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGR2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human AGR2 Protein (His Tag)
Sequence:	Arg21-Leu175
Characteristics:	Recombinant Human Anterior Gradient Protein 2 Homolog is produced by our Mammalian expression system and the target gene encoding Arg21-Leu175 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	AGR2
Alternative Name:	AGR2 ( <a href="#">AGR2 Products</a> )
Background:	Background: Anterior Gradient 2 (AGR2) is an 18-21 kDa member of the PDI family of enzymes. AGR2 is widely expressed in secretory cells, such as small intestine goblet, prostate epithelium,

## Target Details

enteroendocrine cells, and multiple carcinoma cell types. AGR2 forms transient disulfide linkages with molecules destined for secretion, possibly aiding protein folding. Expression of AGR2 shows a positive correlation with expression of estrogen receptor in breast carcinoma and a negative correlation with expression of EGF receptor. Mature human AGR2 is 155 amino acids (aa) in length (aa 21 - 175). Cys81 is presumed to participate in intermolecular bond formation. Over aa 21 - 175, human AGR2 shares 94 % aa identity with mouse AGR2. Synonym: Anterior Gradient Protein 2 Homolog, AG-2, hAG-2, HPC8, Secreted Cement Gland Protein XAG-2 Homolog, AGR2, AG2

Molecular Weight: 18.9 kDa

UniProt: [O95994](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 200 mM NaCl, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.